

Title (en)
Multimodal medium density polyethylene polymer composition

Title (de)
Multimodale Polyethylenzusammensetzung

Title (fr)
Compositions de polyéthylène multimodal

Publication
EP 1950241 A1 20080730 (EN)

Application
EP 07250306 A 20070125

Priority
EP 07250306 A 20070125

Abstract (en)
A multimodal medium density polyethylene polymer obtainable using single site catalysis which comprises at least: (A) a lower molecular weight (LMW) polyethylene homopolymer component; and (B) a higher molecular weight (HMW) polyethylene copolymer component which is a copolymer of ethylene and at least one C3-12-alpha olefin; wherein said multimodal medium density polyethylene polymer has a density of 925 to 945 kg/m³ and a comonomer content of less than 2.5 mol%.

IPC 8 full level
C08L 23/06 (2006.01); **C08J 5/18** (2006.01); **C08L 23/08** (2006.01)

CPC (source: EP US)
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Citation (search report)

- [X] WO 2006037603 A1 20060413 - BOREALIS TECH OY [FI], et al
- [X] EP 1655339 A1 20060510 - BOREALIS TECH OY [FI]
- [X] US 2003088021 A1 20030508 - VAN DUN JOZEF J [BE], et al
- [X] WO 2004011546 A1 20040205 - BOREALIS TECH OY [FI], et al
- [A] WO 2006081116 A1 20060803 - DOW GLOBAL TECHNOLOGIES INC [US], et al

Cited by
CN102216343A; CN114206614A; EP4234614A1; US10082228B2; WO2010049169A1; US9434798B2; US10875939B2; WO2022268960A1; EP2526134B1

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Designated extension state (EPC)
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DOCDB simple family (publication)
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EP 07250306 A 20070125; AT 08707239 T 20080124; CN 200880002742 A 20080124; EP 08707239 A 20080124; EP 2008000528 W 20080124; ES 08707239 T 20080124; US 44909008 A 20080124